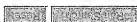


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#1 (((thin\* chip &lt;and&gt; circuit\*)) &lt;and&gt; (pyr &gt;= 1975 &lt;and&gt; pyr &lt;=

1997))&lt;in&gt;metadata)

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1997))&lt;in&gt;metadata)

#3 (((thin\* chip &lt;and&gt; circuit\* dimension\*)) &lt;and&gt; (pyr &gt;= 1975

&lt;and&gt; pyr &lt;= 1997))&lt;in&gt;metadata)

#4 (((thin\* chip &lt;and&gt; circuit\* dimension\*)) &lt;and&gt; (pyr &gt;= 1975

&lt;and&gt; pyr &lt;= 1997))&lt;in&gt;metadata)

#5 (((thin\* water &lt;and&gt; circuit\* dimension\*)) &lt;and&gt; (pyr &gt;= 1975

&lt;and&gt; pyr &lt;= 1997))&lt;in&gt;metadata)

#6 (((thin\* water &lt;and&gt; circuit\*)) &lt;and&gt; (pyr &gt;= 1975 &lt;and&gt; pyr

&lt;= 1997))&lt;in&gt;metadata)

#7 (((thin\* water &lt;and&gt; circuit\*)) &lt;and&gt; (pyr &gt;= 1975 &lt;and&gt; pyr

&lt;= 1997))&lt;in&gt;metadata)

#8 (((thin\* water circuit\*)) &lt;and&gt; (pyr &gt;= 1975 &lt;and&gt; pyr &lt;=

1997))&lt;in&gt;metadata)

#9 (((thin\* substrate &lt;and&gt; circuit\*)) &lt;and&gt; (pyr &gt;= 1975 &lt;and&gt; pyr

&lt;= 1997))

#10 (((thin\* substrate &lt;and&gt; circuit\*)) &lt;and&gt; (pyr &gt;= 1975 &lt;and&gt; pyr

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1. (thin substrate circuit" rigid) AND PDN(<4/4/1997)  
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Database: Multiple databases...  
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6. (thin water circuit" rigid) AND PDN(<4/4/1997)  
Database: Multiple databases...  
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7. (thin" water circuit" rigid) AND PDN(<4/4/1997)  
Database: Multiple databases...  
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8. (thin" chip circuit" rigid) AND PDN(<4/4/1997)  
Database: Multiple databases...  
Look for terms in: Citation and document text  
Publication type: All publication types
9. (thin" chip circuit" ) AND PDN(<4/4/1997)  
Database: Multiple databases...  
Look for terms in: Citation and document text  
Publication type: All publication types
10. (thin" chip circuit" rigid) AND PDN(<4/4/1997)  
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REQUEST

CASE# 10/672,961

# EAST Search History

Ref	Hits	Search Query	Dbs	Default Operator	Time Stamp
S1	2	"20040070063"	US-PGUB	OR	2008/10/01 15:47
S2	89	(glenn near2 leedy).in.	US-PGUB	OR	2008/10/01 11:25
S3	24	(glenn near2 leedy).in. and (thin\$ near3 substrate\$2 near3 circuit\$4)	US-PGUB	OR	2008/10/01 11:42
S4	22	(glenn near2 leedy).in. and (thin\$ near3 substrate\$2 near3 circuit\$4) and rigid and dimension\$2	US-PGUB	OFF	2008/10/01 11:41
S5	0	(glenn near2 leedy).in. and (thin\$ near3 substrate\$2 near3 circuit\$4) with rigid with dimension\$2	US-PGUB	OR	2008/10/01 11:29
S6	0	(glenn near2 leedy).in. and (thin\$ near3 substrate\$2 near3 circuit\$4) and (rigid with dimension\$2)	US-PGUB	OFF	2008/10/01 11:29
S7	0	(glenn near2 leedy).in. and (thin\$ near3 substrate\$2 near3 circuit\$4) and rigid and dimension\$2	US-PGUB	OR	2008/10/01 11:33

# EAST Search History

S8	4	(glen near2 leedy). in. and (second near3 thin\$4 near3 substrate\$2 near3 circuit\$4)	US-PGPUB OR	USPAT; USOCR; EPRS; JFO; DERWENT; IBM_TDB	2008/10/01	11:42			
S9	44	("4070230"   "4131985"   "4416054"   "4539068"   "458591"   "4612083"   "4618397"   "4618763"   "4702936"   "4721938"   "476181"   "4784721"   "5070026"   "5236118"   "5262351"   "5270261"   "5273940"   "5284796"   "5324687"   "5385632"   "5424920"   "5426072"   "5432729"   "5457879"   "5489554"   "5502667"   "5534465"   "5563084"   "5581498"   "5637536"   "5656552"   "5675185"   "5694588"   "5760478"   "5793115"   "5880010"   "5902118"   "6194245"   "6208545"   "6236602") . PN.	US-PGPUB OR	USPAT; USOCR	2008/10/01	11:47			
S10	2059855	(IC or (integrated adj circuit\$4) or memory or chips or DRAM or ram or flash or eeprom or eeprom or ferroelectric or sram or gmr)	EPO; OR	DERWENT; IBM_TDB	2008/10/01	13:45			
S11	61443	(u11-c02f or u11-c05 or u11-e02b3 or u11-f01 or u11-g02 or u12-c02 or u12-c04 or u13-b01 or u13-b02 or u13-c or u13-d01 or u13-d02 or u13-d03b or u13-e02 or u13-e04 or t01-15a2 or s01-g01)	EPO; OR	DERWENT; IBM_TDB	2008/10/01	12:07			
S12	4425	(thin\$4 or slm\$3 or thick) near\$2 (water\$2 or substrate\$2 or chip\$2 or microchip\$2 or die or dies or dice\$3) near\$2 circuit\$4	EPO; OR	JFO; DERWENT; IBM_TDB	2008/10/01	13:46			
S13	79	(second\$4 or other) near\$2 (thin\$4 or slm\$3 or thick) near\$2 (water\$2 or substrate\$2 or chip\$2 or microchip\$2 or die or dies or dice\$3) near\$2 circuit\$4	EPO; OR	JFO; DERWENT; IBM_TDB	2008/10/01	13:46			

# EAST Search History

S14	24408	(rigid) or rough or hard or firm or inflexible or unbending or stiff or (fine adj) grainy) nears (water) or substrate or chip) or microchip) or die or dies or dice)	EPO; JPO; IBM_TDB; DERMENT;	OR	ON	13:47 2008/10/01	
S15	4930	(water) or substrate or chip) or microchip) or die or dies or dice)	EPO; JPO; IBM_TDB; DERMENT;	OR	ON	13:47 2008/10/01	
S16	2088190	(S10 or S11) measurement or width)	EPO; JPO; IBM_TDB; DERMENT;	OR	ON	12:12 2008/10/01	
S17	0	S16 and S13 and S14 and S15	EPO; JPO; IBM_TDB; DERMENT;	OR	ON	12:13 2008/10/01	
S18	0	S16 and S12 and S14 and S15	EPO; JPO; IBM_TDB; DERMENT;	OR	ON	12:13 2008/10/01	
S19	2210	S16 and S12	EPO; JPO; IBM_TDB; DERMENT;	OR	ON	12:13 2008/10/01	
S20	49	S16 and S13	EPO; JPO; IBM_TDB; DERMENT;	OR	ON	12:14 2008/10/01	
S21	10	S16 and S14 and S15	EPO; JPO; IBM_TDB; DERMENT;	OR	ON	12:25 2008/10/01	
S22	0	S20 and S21	EPO; JPO; IBM_TDB; DERMENT;	OR	ON	12:15 2008/10/01	
S23	0	S13 and S14 and S15	EPO; JPO; IBM_TDB; DERMENT;	OR	ON	12:25 2008/10/01	
S24	1	S13 and S14	EPO; JPO; IBM_TDB; DERMENT;	OR	ON	12:25 2008/10/01	
S25	0	S13 and S15	EPO; JPO; IBM_TDB; DERMENT;	OR	ON	12:25 2008/10/01	

# EAST Search History

S26		61	S14 and S15	EPO; JPO; DERMENT; IBM TDB	OR	ON	2008/10/01	12:26	
S27		51	S26 not S21	EPO; JPO; DERMENT; IBM TDB	OR	ON	2008/10/01	12:26	
S28	1991809		(IC or (integrated ad) circuitry) or memory or chips or DRAM or ram or flash or eeprom or eeprom or ferroelectric or sram or gmr)	US-PGPUB ; USPAT	OR	ON	2008/10/01	13:45	
S29	11728		(thin4 or slims3 or substrate2 or chip2 or microchip2 or die or circuit4 dies or dice3) near5	US-PGPUB ; USPAT	OR	ON	2008/10/01	13:46	
S30	562		(second4 or other) near5 thin4 or slims3 or substrate2 or chip2 or microchip2 or die or circuit4 dies or dice3) near5	US-PGPUB ; USPAT	OR	ON	2008/10/01	13:46	
S31	74642		(rigid4 or rough or hard or firm or inflexible or unbending or stiff or lens4 or semi4) near5 (fine ad) grain4) near5 chip2 or microchip2 or substrate2 or die or dice3)	US-PGPUB ; USPAT	OR	ON	2008/10/01	13:47	
S32	30644		(water2 or substrate2 or chip2 or microchip2 or die or dies or dice3)	US-PGPUB ; USPAT	OR	ON	2008/10/01	14:24	
S33	15	S28 and S29 and S30 and S31 and S32	US-PGPUB ; USPAT	OR	ON	2008/10/01	13:59		
S34	465	S28 and S30	US-PGPUB ; USPAT	OR	ON	2008/10/01	13:59		
S35	15	S30 and S31 and S32	US-PGPUB ; USPAT	OR	ON	2008/10/01	14:00		
S36	0	S35 not S33	US-PGPUB ; USPAT	OR	ON	2008/10/01	14:00		
S37	244	S29 and S31 and S32	US-PGPUB ; USPAT	OR	ON	2008/10/01	14:23		
S38	0	S29 with S31 with S32	US-PGPUB ; USPAT	OR	ON	2008/10/01	14:24		
S39	122	S31 with S32	US-PGPUB ; USPAT	OR	ON	2008/10/01	14:32		

# EAST Search History

S40	0	S39 and S30	US-PGPB	OR	ON	2008/10/01	14:25
S41	5	S39 and S29	US-PGPB	OR	ON	2008/10/01	14:25
S42	2	S30 with S31	US-PGPB	OR	ON	2008/10/01	14:33
S43	184	S29 with S31	US-PGPB	OR	ON	2008/10/01	14:33
S44	0	S30 with S32	US-PGPB	OR	ON	2008/10/01	14:38
S45	12	S29 with S32	US-PGPB	OR	ON	2008/10/01	14:45
S46	11	S43 and S32	US-PGPB	OR	ON	2008/10/01	14:47
S47	5	"5753536" "5902118" "5787445".pn.	US-PGPB	OR	ON	2008/10/01	14:47
S48	2305761	(water\$2 or substrat\$2 or chip\$2 or microchip\$2 or die or dies or dice\$3)	EPO; JPO; DERMENT; IBM_TDB	OR	OFF	2008/10/01	15:49
S49	411801	(mu or mum or um or micron\$2 or micrometer\$2)	EPO; JPO; DERMENT; IBM_TDB	OR	OFF	2008/10/01	15:53
S50	1056882	(thin\$4 or slim\$3 or thick or ultrathin\$4 or superthin\$4 or ultra\$1im\$4 or super\$1im\$4)	EPO; JPO; DERMENT; IBM_TDB	OR	OFF	2008/10/01	15:57
S51	1882339	(stack\$4 or bonded or vertical\$4 or 3d or 3ds dimension\$4)	EPO; JPO; DERMENT; IBM_TDB	OR	OFF	2008/10/01	15:58
S52	2718	S48 near\$2 S49	EPO; JPO; DERMENT; IBM_TDB	OR	OFF	2008/10/01	15:58
S53	2032	S48 near\$2 S49 near\$2 S50	EPO; JPO; DERMENT; IBM_TDB	OR	OFF	2008/10/01	16:24
S54	35	S48 near\$2 S49 near\$2 S50 near\$2 S51	EPO; JPO; DERMENT; IBM_TDB	OR	OFF	2008/10/01	15:59
S55	10	(S48 near\$2 S49 near\$2 S50) and S51 and ("1990" or "1991" or "1992" or "1993" or "1994" or "1995" or "1996" or "1997").py.	EPO; JPO; DERMENT; IBM_TDB	OR	OFF	2008/10/01	16:30

# EAST Search History

S56	8	S55 not S54	EPO; JPO; DERMENT; IBM_TDB	OR	OFF	2008/10/01 16:26
S57	7	(S48 near2 S49 near2 S50) and S51 and ("1980" or "1981" or "1982" or "1983" or "1984" or "1985" or "1986" or "1987" or "1988" or "1989").PY.	EPO; JPO; DERMENT; IBM_TDB	OR	OFF	2008/10/01 16:29
S58	47	(S48 near4 S49 near4 S50) and S51 and ("1990" or "1991" or "1992" or "1993" or "1994" or "1995" or "1996" or "1997").PY.	EPO; JPO; DERMENT; IBM_TDB	OR	OFF	2008/10/01 16:31
S59	32	S58 not (S55 or S54)	EPO; JPO; DERMENT; IBM_TDB	OR	OFF	2008/10/01 16:31